

Claims

1. A milling cutter, comprising:

a cutter body provided with a plurality of insert seats; and

5 a cutting insert having a hexahedral shape and inserted into and fastened to each of the insert seats in either of two directions.

2. The milling cutter according to claim 1, wherein the cutting insert comprises: a through hole formed in the 10 cutting insert from an upper surface to a lower surface of the cutting insert; and first and second cutting blade parts having the same shape and provided on first and second ends of the cutting insert, respectively.

3. The milling cutter according to claim 1 or 2, 15 wherein the insert seats are radially formed inwards around a circumferential outer surface of the cutter body and are spaced apart from each other at regular intervals, and each of the insert seats comprises first and second locking holes respectively formed on first and second inner 20 surfaces of the insert seat, so that the cutting insert is fastened to the insert seat by a locking screw which is tightened into the first or second locking hole of the insert seat after passing through the through hole of the

cutting insert.

4. The milling cutter according to claim 2, wherein each of the first and second cutting blade parts comprises: a rounded corner blade provided at each of corners of the 5 first and second cutting blade parts; and a main blade provided between adjacent corner blades to connect the corner blades to each other.

5. The milling cutter according to claim 4, wherein the main blades are curved from outer edges of opposite 10 ends of the cutting insert toward central portions of the upper surface, the lower surface, a first side surface and a second side surface of the cutting insert.

6. The milling cutter according to claim 4, wherein each of the main blades comprises a flat blade surface and 15 an inclined blade surface which are sequentially provided on the main blade toward a central portion of each of the first and second cutting blade parts.

7. The milling cutter according to claim 1, wherein the cutting insert has a cubic shape.

20 8. The milling cutter according to claim 1, wherein the cutting insert has a rectangular parallelepiped shape.

9. The milling cutter according to claim 8, wherein a width (x), a height (z) and a length (y) of the cutting insert have a ratio from 1:1:0.8 to 1:1:1.2.